



1/7

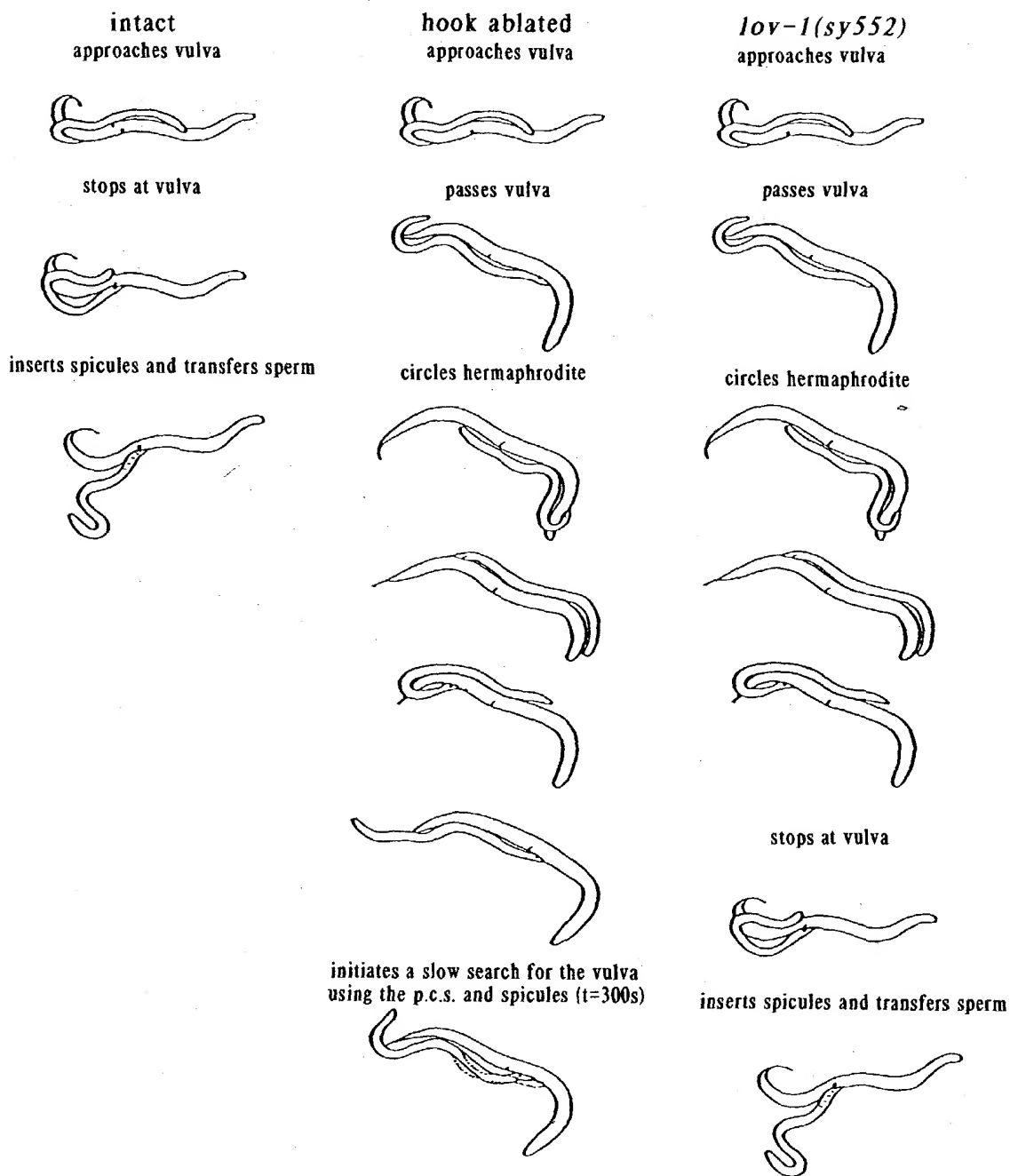


FIG. 1



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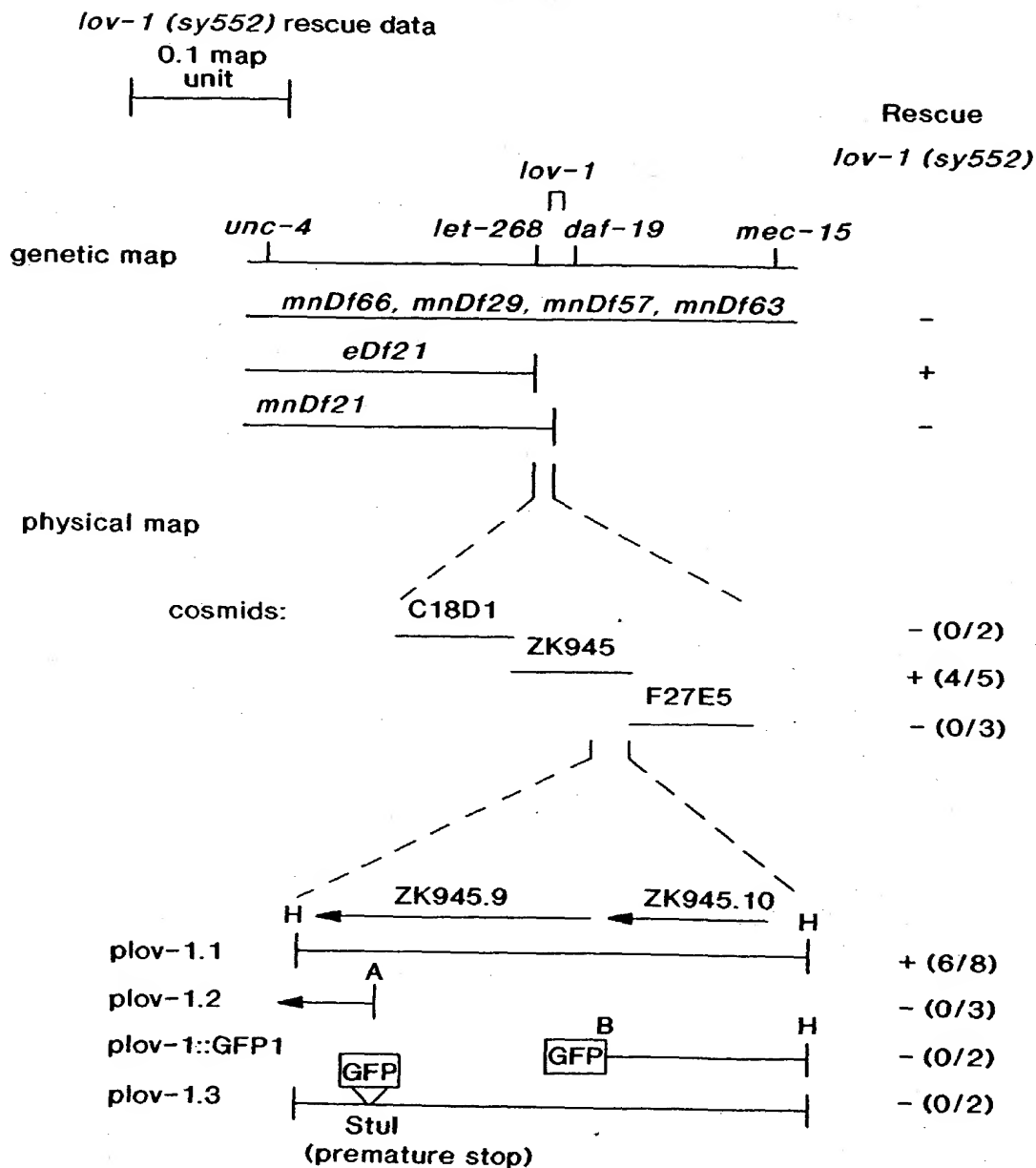


FIG. 2A



lov-1 gene structure: 16.7 kb rescuing clone

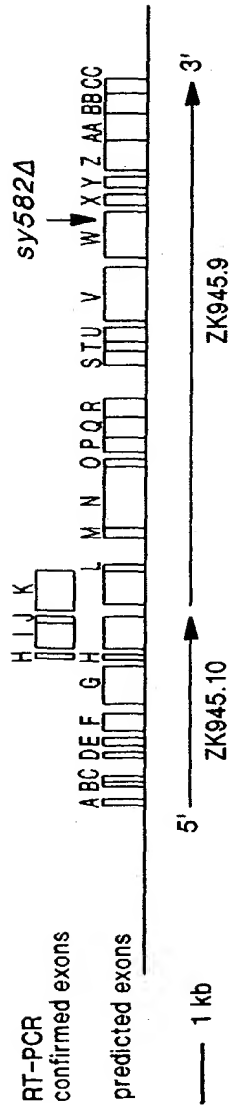


FIG. 2B

Schematic of GFP fusion constructs and expression data

	EXPRESSION PATTERN	DOMINANT NEGATIVE
plov-1::GFP1	strong, male specific sensory neurons: CEMs, rays, HOB	Yes
plov-1::GFP2	faint, non-sex specific	No
plov-1::GFP3	faint, male specific: one or two unidentified neuron(s)	No
plov-1::GFP4	faint, non-sex specific	No
plov-1.3	stop	Yes

FIG. 2C



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LOV-1 structural features and sequence homologies

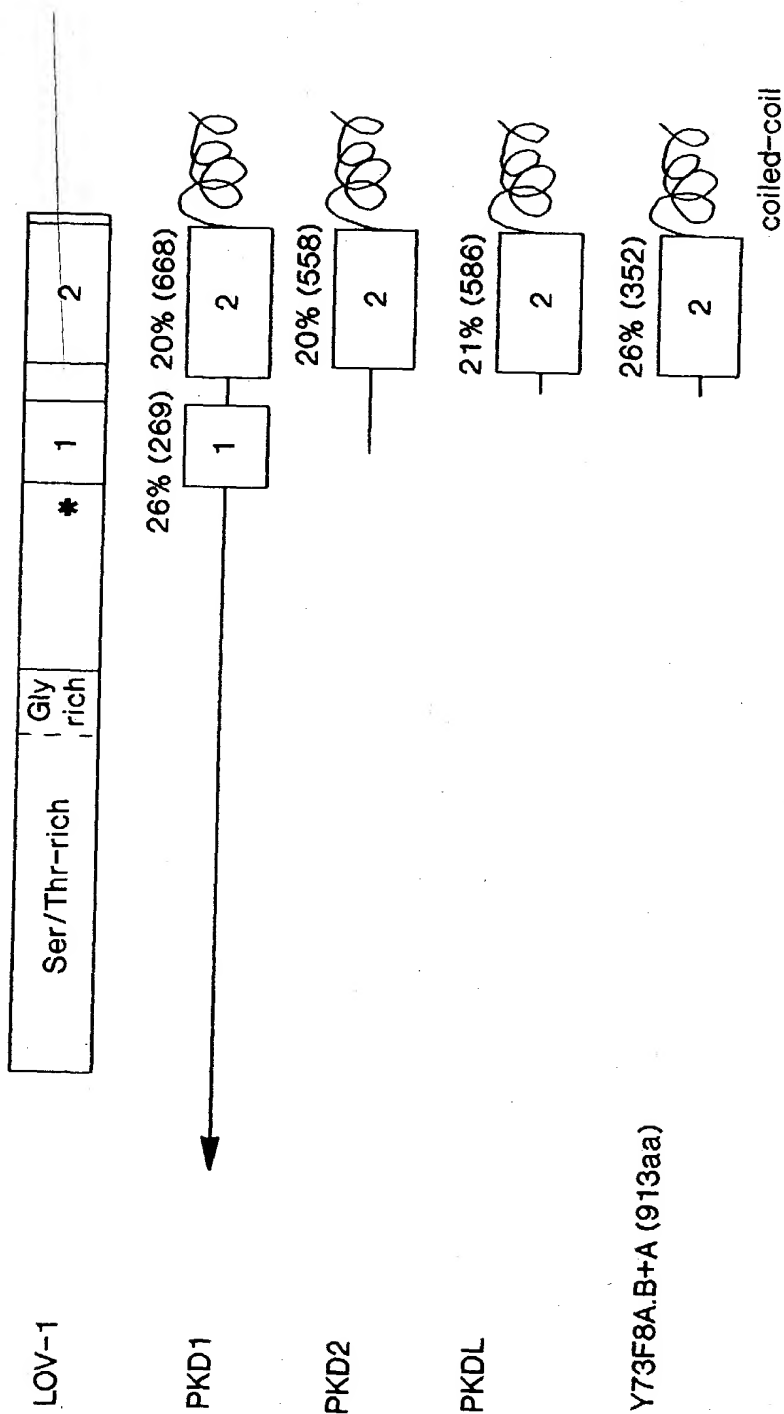


FIG. 2D



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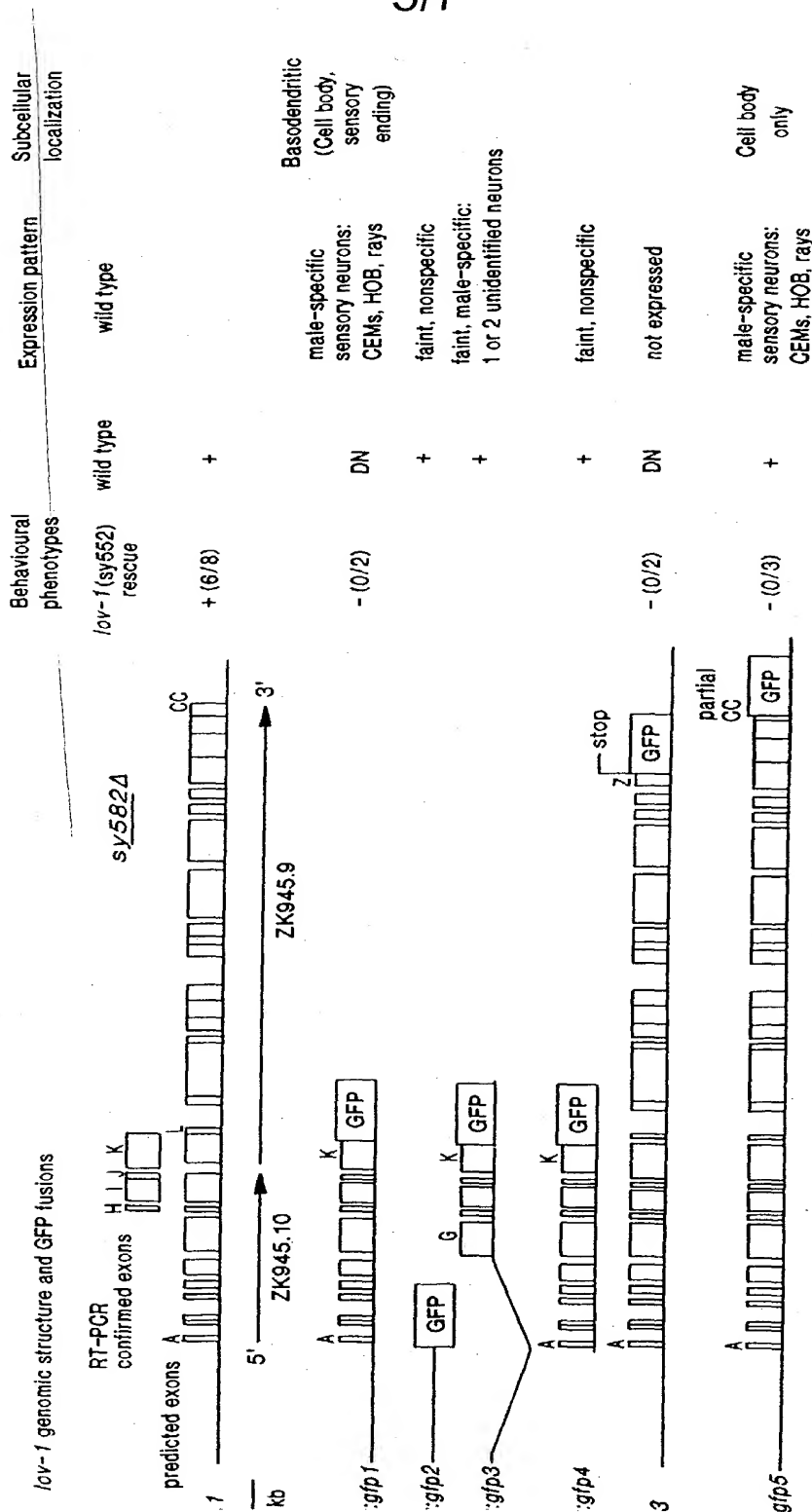
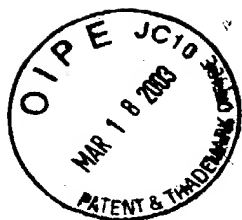


FIG. 3A



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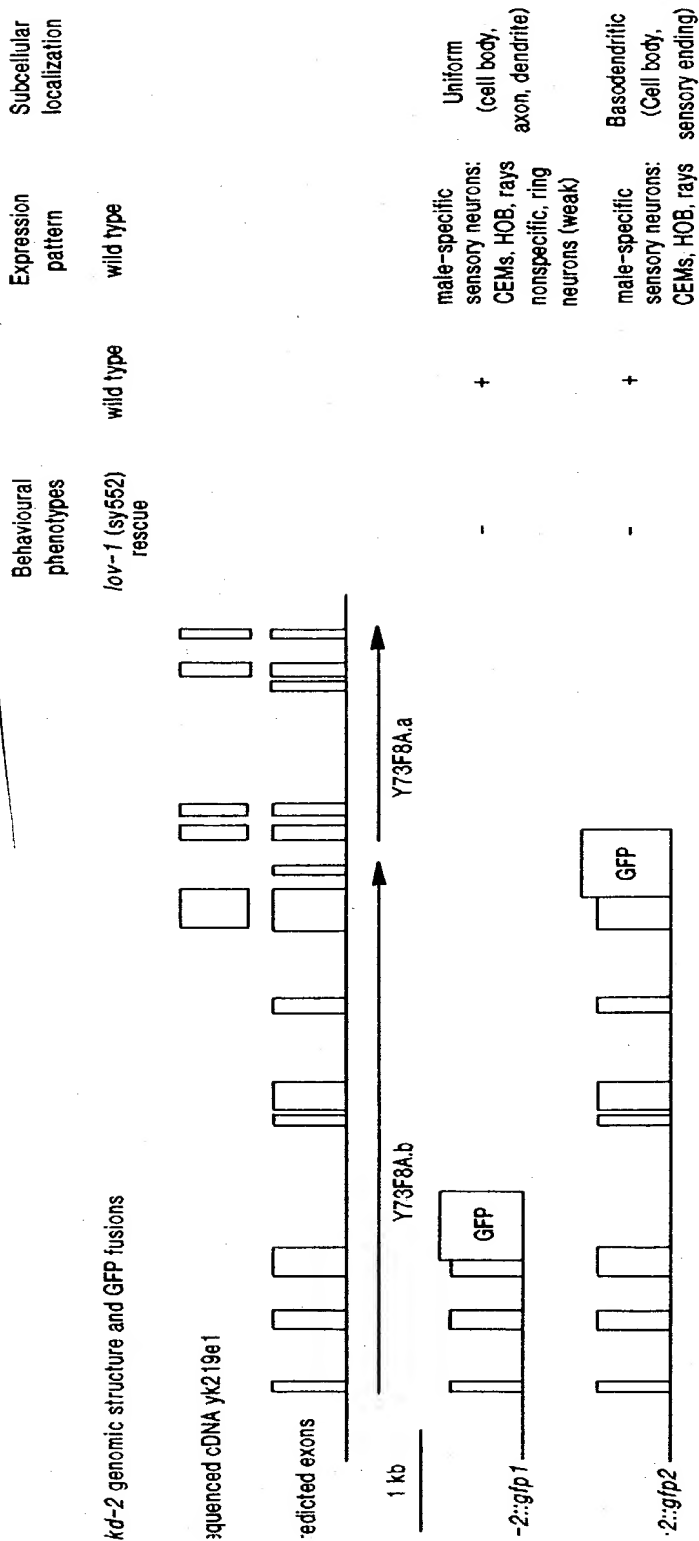
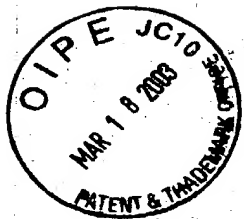


FIG. 3B



APPLICANT(S): Sternberg and Barr
TITLE: POLYCYSTIC KIDNEY DISEASE GENE HOMOLOG
REQUIRED FOR MALE MATING BEHAVIOR IN
NEMATODES AND ASSAYS BASED THEREON
Application No.: 09/655,160 Filing Date: September 5, 2000
Docket No.: CIT1520-2

09655160 031803

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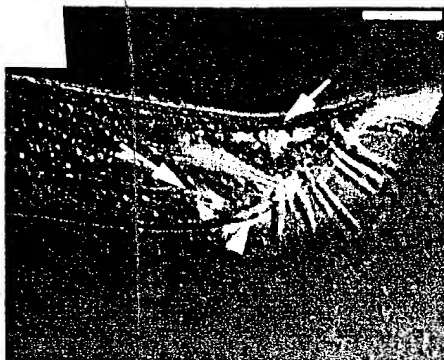


FIG. 4A

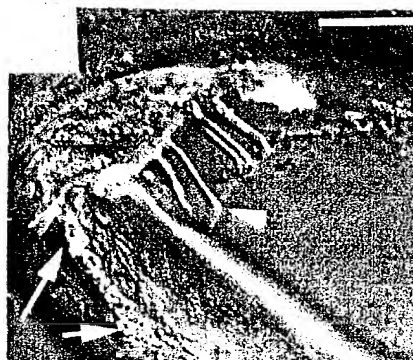


FIG. 4D



FIG. 4B



FIG. 4E

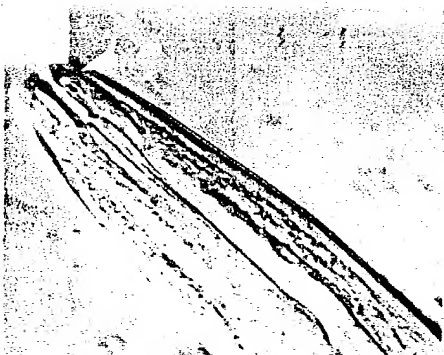


FIG. 4C

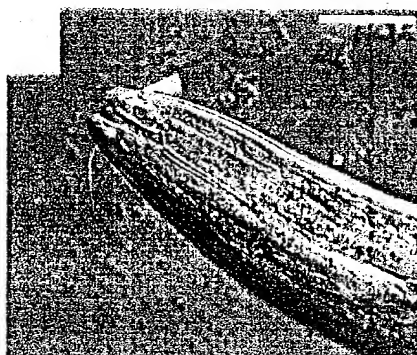


FIG. 4F